



Unclassified

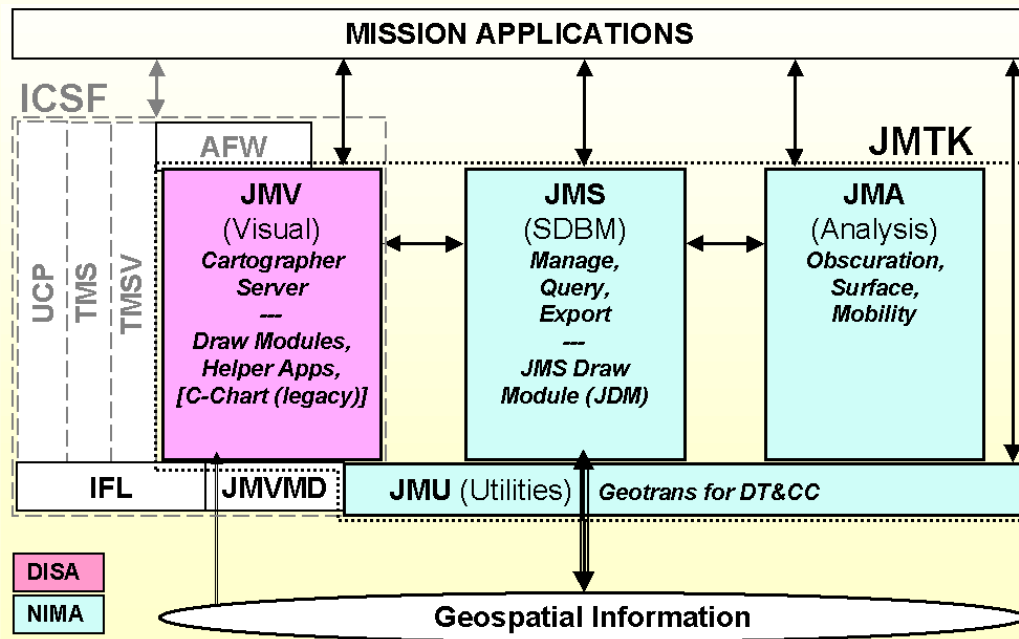
COE Production Engineering Status

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Maps in COP: COE 4.5



- **Significant Progress, Real Capability**
 - JMS is a strong spatial database manager
 - JMS 4.5 introduces full JMS-JMV integration via JMS Draw Module (JDM)
 - JMV 4.5 raster map display improved



Tiger Team Support

- **Kernel Patch Segment, Developer's Toolkit and NIS+ Admin Tool for 4.2.0.0P7**
 - Second beta made available 13 February
 - Corrected Windows beta made available 22 February
 - Final delivery TBD, based on Tiger Team direction
- **Tiger Team Engineering Drop made available 22 February**
 - lcsf4500p2drop6 and XISMI4.5.0.2drop6 are posted on the SPAWAR ftp server



Draft I&RTS 4.2 (1)

- **Initial draft will be sent to AOG-ES 1 March**
- **Main changes:**
 - **Documentation of the DII COE to COE change**
 - **Addition of Windows 2000 support**
 - **Incorporation of J2EE guidance**
 - **Modifications to match the current/planned 4.x kernel and security implementations**
 - **Modifications to the SHADE guidance to match current practices and products.**
 - **Updates to references and web pages**



Draft I&RTS 4.2 (2)

- **Caveats:**

- **Major changes to section 8 are planned for the second draft**
- **Directory Services are not addressed. Content TBD pending resolution of GDS issues**
- **Windows “implementation” guidance removed from I&RTS; will be addressed in SIG or SDG**
- **Final edit has not yet been reviewed by COE Engineering Office; rejected changes are still visible as strikeouts**



Draft I&RTS 4.2 (3)

- **Some of the changes to Appendix B items will impact segment compliance**
 - **Windows Logo references**
 - **Security changes to match more restrictive guidance**
 - **Changes to match kernel implementation**
- **In most cases, testing with a recent kernel or use of the WINSCP/UNIXSCP tools will flag the items for you**
 - **The changes in the I&RTS match the current implementation**



Ongoing Activities

- **COE Developer Documentation Requirements (DDR)**
 - Developers are verifying draft
- **Windows Segmentation CBT**
 - Beta being packaged for distribution



COE Release 4.6

- **Schedule still in work because of Tiger Team internal scheduling issues, but offsets are:**
 - **Solaris 8/ Windows 2000 software available on DADS three weeks after final software delivery date**
 - **Solaris 8/Windows 2000 CDs available six weeks after final software delivery date**
 - **Solaris 7/Windows NT/HP-UX 11.0 software will be completed 30 days later**
- **If software delivery date is 4/30, DADS dates are 5/17&7/3 and CDs ship 6/6&7/24**



Proposed ICSF Numbering Scheme

- **Output from Tiger Team will be 4.5.0.3**
 - **Might need to be full release because of structural changes to meet TT requests**
 - **Easier to start CM'ing as full release now**
- **Feature pack release will be 4.5.1.0**
- **Patches will be numbered 4.5.0.0Px, with P4 being the first**
 - **Patch will have logic that allows it to install only on 4.5.0.3 and 4.5.1.0 baselines**



OS Support Issues (1)

- **Heads up: Java 1.4 on Solaris 8 needs to run either on the Feb 02 version or with OS update patch 108528-13**
- **Traditionally, COE Engineering has waited to provide Netscape/iPlanet component segments until they are:**
 - **Available from DoD download site**
 - **Available for all supported platforms**
- **To fulfill recent requests, we need to change our policy**



OS Support Issues (2)

- **iPlanet Directory Server 5.1 (current version is 4.13)**
 - **Runs only on Solaris 8, not Solaris 7**
 - **Runs only on UltraSPARC, not SPARC, machines**
- **Netscape (formerly Netscape Communicator) 6.2.1 (current versions are 4.6/4.77)**
 - **Will not support Solaris 2.5.1 or HP-UX 10.20**
 - **Still in beta for Solaris 7/8**
- **Products are not yet on download site**



OS Support Issues (3)

- **Is it acceptable to:**
 - **Provide a solution on one platform without waiting until it is available on all platforms?**
 - **Provide a 3.1 solution that will never support all platforms?**
 - **Orphan an existing platform/hardware?**



Security Patch Support (1)

- **To support fielding of segmented versions of patches addressing critical IAVAs in a timely manner, COE Engineering has developed a streamlined approach for delivery and release processing**
 - **Coordinate with GCCS in advance to pre-approve “permanent” waivers**
 - **Use e-delivery to minimize CM time**
 - **Coordinate with testers to reprioritize segments and reassign machines**



Security Patch Support (2)

- **Test case was COE01-107**
 - **Marked critical 22 Jan**
 - **Process meeting held 25 Jan**
 - **Developer tasked 28 Jan**
 - **SECPTH 4.5.0.0 for Sol 7/8 delivered 14 Feb, approved 15 Feb**
 - **SECPTH 3.1.0.0 for HP-UX 10.20 delivered 19 Feb, approved 22 Feb**
- **Delivery could be even faster in the future, because “permanent” waivers are now on file**



Security Patch Support (3)

- **SECPTH segments contain a single fix that would ordinarily be included in SOLPTH, HPPTH, NTPTH, W2KPTH, or NTCORE**
- **Streamlined process can help systems meet 30-day requirement**
- **Rapid turnaround impacts planned work**
- **Responsiveness to frequent OS vulnerabilities means fewer resources for GOTS development and COTS segmentation (seven OSs, plus IE, need to be supported)**



Miscellaneous

- 1. The May AOG is scheduled for 3 May. Since COE management will be at STC on that date, should we:**
 - Cancel the May AOG?**
 - Hold a standalone meeting on a different date?**
 - Hold the AOG during the Tech Exchange?**
- 2. 6 March is the deadline for providing feedback on the Kernel SRS**



COE Developers' Technical Exchange (DTE)

- **Date: May 14-16**
- **Planned Location: Doubletree Hotel at 7801 Leesburg Pike, Falls Church VA (same place as last year)**
 - **Single rate of \$150 per night meets the newest (2/15/02) U.S. Government per diem rates**
- **Reimbursable fee of \$25 cash will be collected at check-in**
- **DTE POC is Carol Koepfel, 703-882-1153/DSN 381-1153**



DTE Seat Allocation

- **Seats will be allocated to the Services/Agencies/projects**
- **Air Force, Army, GCCS/GCSS, Maritime(Navy/MC/CG), NIMA, DODIIS, and NSA will manage their own seats**
- **COE Engineering will manage seats for all other attendees**



Draft Agenda Day 1

- **COE 36-Month Plan**
- **COE Kernel Update**
- **JMTK Update**
- **ICSF Update**
- **Segment Compliance**
- **XISMI Update**
- **XDBI Update**
- **Building Applications to Produce COP**
- **COE Security Update**
- **COE Messaging Update**
- **COE Printing Services Update**



Draft Agenda Day 2

- **State of the COE and Future Directions**
- **Shared Data Engineering: Key to Interoperability**
- **Commercial Windows Kernel**
- **Unix and Linux Kernels**
- **COE J2EE Services**
- **Integration and Runtime Specs/J2EE Guidelines**
- **Web COP Design and Developer Process**
- **COE Community Process**
- **COE Tactical Workstation**



Draft Agenda Day 3

- **Industry analysts and product vendors will be invited to address the following questions in a series of briefings and panel discussions**
 - **Enterprise Application Integration**
 - **Web Services**
 - **Portals**
 - **Single Sign-on**